PIANOS!

New Upright Pianos, fully guaranteed, with stool and cover, as low as ..... **$250.**

SQUARE PIANOS,

Standard makes, in perfect playing order, **$25** UP TO **$150.**

ORGANS For Parlor or Chapel.

Music, Music Books, Music Rolls and Folios. Small Musical Instruments of all kinds.

VICTOR TALKING MACHINES.
THE BEST IN THE WORLD.

John F. Ellis & Co.,

937 PENNSYLVANIA AVENUE, N. W., - - - WASHINGTON, D. C.
CATALOGUES FREE.

Have Your

PICTURE

Taken now! Don't wait. Or you may miss the auspicious moment when your health, your costume, and the atmosphere—but, most of all, your mood—are all in tune!

We will make a picture of you that will be a revelation.

Davis Gallery,

817 E. Broad. 320 E. Broad.
RICHMOND, VA.

The Bridgewater Mills

are fully prepared to fill orders for their unequalled brands of FLOUR, which surpass any heretofore made.

Ficklen's Superlative Patent,
Bridgewater Family (Silver Medal),
Belmont Family,
Belmont Best Extra, Something New.

Also Choice Granulated and Patent Family Meals, Pure Oat and Corn Feed, and Cracked Yellow Corn for Stock. All we ask is a trial to convince. Highest Cash Price paid for Wheat and Corn.

J. B. FICKLEN, Manager.

"CLEANING" and "DYEING" — Emil Fisher

We Clean and Dye

LADIES' AND GENTLEMEN'S CLOTHING.

Send us your goods by Boat or Express and we will make them look like new. Fifty years' experience.

EMIL FISHER,

216 W. Fayette St., Baltimore, Md.

Send for our booklet, it tells you everything.

J. W. WHITE & SON, 1318 Main Street, Richmond, Va.

Carriage Hardware

Send for Our Special Net Price Sheet

We pay freight on all orders of 5 gallons or more within 75 miles of Washington.

Pure and Delicious.

$1 gal. Our Ice Cream is becoming more and more famous every day! People appreciate good ice at small prices. 'Phone 2321-3 your order. Ice Cream

INGLESIDE DAIRY,

WM. B. DODGE & SON,

1757 Pennsylvania Ave., - - - - - - - WASHINGTON, D. C.

You sell Flour?

We are the people you should buy from.

Prices Right Quality Right

WHITE & COMPANY,

220 Spear's Wharf Baltimore, Md.

CEPHAS M. LEWIS,

General Commission Merchant,

For the sale of Poultry, Eggs and all kinds of Country Produce, 14 East Camden St., Baltimore, Md. Correspondence and consignments solicited.
Reference—National Bank of Commerce, of Baltimore

RYLAND & BROOKS LUMBER CO

Wholesale and Commission Lumber,

BALTIMORE, MD.

Cargoes and Car Load Lots. Correspondence and Consignment Solicited.

Established 1869.

ROBINS & CO.

Commission Merchants.

Wholesale dealers and jobbers. Butter, eggs, poultry, game and general produce. Cold storage and freezing room on premises. Capacity 5,000 tubs butter. Write for tags. 112 South St., Baltimore, Md. References—Third National Bank and mercantile agencies.

When in Washington Step in at the Old Place.....

EDWARD J. QUINN

604 Pennsylvania Ave., N. W., through to Penn. R. R. Station
For Your Wines, Liquors and Cigars. Sole Distributor of the Famous
ORONOCO RYE WHISKEY

COLONIAL WINE COMPANY

COR. 9TH AND D STS. N. W., WASHINGTON, D. C.

High grade wines and liquors for family and medicinal use exclusively.

Imported Key West and Domestic Cigars.

Electric Fans

We have them all sizes and at all prices.

Electrical goods of every description.

Give us a call when in Richmond.

TOWER-BINFORD ELECTRIC MFG. CO.,
721 E. Main St., Richmond, Va.

New Store, New Goods,

We have moved our stock of of Shoes and Hats into the Store-house next door, formerly occupied by S. G. Wallace. We now have a larger store house and larger stock than ever before.

We have a door leading into our old stand at the corner and have in this house a large stock of

Mens' Furnishing Goods,

TRUNKS AND VALISES.

Call and see our New Store and get our New Prices.

WALLACE & CO.,

Fredericksburg, Va.

E. MORRISON

PAPER COMPANY.

JOHN L. PROSISE,
Treasurer and Manager.

WHOLESALE AND RETAIL

...PAPER... WAREHOUSE.

The largest and most complete line in the city.

Writing and Wrapping Papers, Paper Bags and Twine, Box Papers and Tablets, Envelopes and Blank Books. Writing and Printing Inks, Hurd's & Whiting's Fine Papers. Correspondence solicited. 1006 Penn. Ave., Washington, D. C.

OIL SMELTER MINES.

DOUGLAS LACY & COMPANY,

Bankers, Brokers, Fiscal Agents.

Members N. Y. Consolidated Stock Exchange, and Los Angeles, Cal., Stock Exchange.

66 Broadway, 17 New St.,
NEW YORK.

Dividend-Paying Mining, Oil and Smelter Stocks our Specialty

Booklets giving our successful plan of realizing the large profits of legitimate mining, oil and smelter investments, subscription blanks, full particulars, etc., sent free to any interested on application.

BALTIMORE BRANCH, Suite No. 116, 117, 118, 119 Law Bld'g.
J. R. KEMP, Manager.

GO TO

WASKEY,

The Furniture Man

223 N. Howard St., 3d door above Clay St., Baltimore, Md., for your

Carpets, Mattings, Oil Cloths, Rugs, Refrigerators.

Special—Iron Bed, Springs and Mattress, $4; cheap for cash.

Chas. Christian Waskey

WAGNER'S

'GREEN HOUSE' Restaurant

12 and 14 E. Pratt St.,

BALTIMORE, -:- -:- MD.

Dining Rooms for Ladies.

COMEGYS BROWN E. S. STUBBS.
Md Phone Courtland 1171

BROWN & STUBBS,

General Commission Merchants.

Fruit, Vegetables, Butter, Eggs, Poultry, Wool Hides, Furs, Grain, Live Stock, Fish, Oysters, Game, etc.

No. 224 South Charles St., Baltimore, Md. Reference—Farmers' and Merchants' National Bank.

JOHN P. STIFF, M. D.,

DENTIST,

Opposite The Conway, Gordon & Garnett National Bank, Fredericksburg, Va.

Crown and Bridge Work a Specialty.

All Work Guaranteed.

Dr. J. Garnett King,

DENTIST,

Office—906½ Main St., Fredericksburg, Va.

Dr. H. M. Eckenrode,

DENTIST,

Successor to Dr. C. E. Outcalt,

Office Over Goolrick's Drug Store,

Crown and Bridge Work a Specialty. My Office is thoroughly equipped with all the Latest Improved Instruments and Appliances.

1,000 Cords of Bark Wanted!

Chesnut, Spanish and Black Oak, for which the highest cash price will be paid by

THE JOHN G. HURKAMP CO.

Free Lance

TUESDAY..... AUGUST 12, 1902.

GLASS FOR WINDOWS

THE METHOD AND THE MATERIALS OF ITS MANUFACTURE.

Enough Arsenic in the Windows of an Ordinary House to Kill a Regiment of Men—Process of the Tankhouse and the Pothouse.

People who have glass windows in their homes do not know that the glass contains enough arsenic to make it a deadly poison. Glassmakers say that the windows of an ordinary home contain enough of this poison to kill a regiment of men. The popular supposition that glass is made of sand is a correct one, but a quantity of other articles enters into its composition.

Window glass factories are divided into two departments, a tankhouse and a pothouse. The process of glassmaking in one of these departments is practically the same as in the other. In the tankhouse the glass is all melted in immense tanks which will hold thousands of tons. In the pothouse the glass is made in pots.

After the fires are lighted and a tank is heated the glass mixture is shoveled in. It includes glass left over from the former season, glass refuse, sand and salt cake. Arsenic is not used in the tankhouse for the reason that the heat is so intense that the drug is volatilized and escapes into the air without entering the mixture. As one mixture melts and flows to one end of a tank fresh supplies are shoveled in at the other end.

The molten mass seethes and "works" in a manner similar to that of a mash in a distillery. From the salt cake comes a salt water that has to be separated from the mass, and the easiest way to remove it is to burn it out. This is done by throwing stove wood into the tank on top of the molten glass. The water is converted into steam, which is destroyed by the intense heat from the glass. The melted glass is then skimmed by an automatic skimmer, and it is ready for the gatherer.

A gatherer thrusts a long steel blowpipe into one of the rings at the lower end of the tank. He twists and turns it until a small ball of glass gathers on the end. This ball is partially cooled, polished by being turned in a box of sawdust and then passed on to the blower, who heats it again until it becomes like taffy. The blower swings the ball over a pit that is twelve feet deep and rapidly blows it into an elongated pear shape. When a blower is through, the melted glass becomes a perfect cylinder about 5 feet long and 2 feet across. It then passes to a "snapper," who takes it to a rack and breaks the roller loose from the blowpipe.

The snapper gathers a small lump of melted glass on the end of a rod and dexterously runs a narrow ribbon of the stuff around the ends of the roller, both at the blowpipe end and the closed end. The little ribbons of melted glass cool in a few seconds, when they are removed, leaving a narrow zone of almost redhot glass around the rollers at each end. Then, taking a tool that resembles a soldering iron, the snapper rubs it for a moment on his forehead, and when the point of it is moistened with perspiration he runs the iron around the rollers at the heated spot. The glass cracks and separates as cleanly as if cut with a diamond, the blowpipe is removed, and the closed cylinder has become a roller and is then ready to go to the flattener.

The flattener works in another part of the building, where are located the flattening ovens. These ovens are heated to a temperature sufficient to soften the glass so that it may be rolled out into sheets. A series of fireclay tables placed in a circle like the spokes of a wheel revolve in the ovens, and on these tables the rollers are flattened. They are placed inside, allowed to become hot, and then a cold iron is run along the inside from end to end. The contact of the iron cuts the glass, which is then straightened out upon the table.

The flattener has a number of billets of green wood attached to long iron handles, and with these billets, which are shaped in such a manner as to do the work expected of them, he "irons" the softened sheet of glass until it is perfectly flat and smooth. The tables inside the oven revolve, the flattened sheet is carried away, and another roller is brought into position before the flattener. As the flattened sheets cool they are lifted to a place on a long traveling rack, on which they are by stages removed from the ovens, being allowed to cool as they go. This is done in order that the glass may not be shattered by too quick an exposure to the air.

When the sheets are taken from the flattening ovens, they are covered with a greasy, dirty looking coat of chemicals—soda, potash, silicates of the different salts, etc.—which must be removed, and for this purpose the rough sheets are placed in an acid bath composed of hydrochloric and sulphuric acids more or less diluted. After their immersion in this bath the sheets are taken to the cutting room, where workmen cut them into sizes and make them ready for the packers. Hardly a scrap of the glass except the rough edges is wasted. In fact, none is wasted, as all refuse goes back to be melted. After the cutters have finished their work the glass is packed in boxes and is then ready for the market.—Indianapolis News.

Moved His Admiration.

Undergraduate (to chum)—That Miss Slick is the finest conversationalist I ever met. She knows all the track records for three years back.—Chicago News.

Life is only a brief lesson, and school's out 'fore we know it.—Atlanta Constitution.

Week-end Tickets, Season 1902.

Commencing Saturday, June 7th, and unless otherwise ordered, continuing until September 27th inclusive, round trip tickets will be sold to Richmond and intermediate stations, Saturdays only, good to return until the following Monday, inclusive at one fare rate.

C. C. Cox, Agent.

13th Year

This has been our banner year and we have done more business than ever before. We have the confidence of the people, and a proof of it is the increase of our trade. "Pure goods, honest value and full measure are the cause of it." Our stock is the largest, purest and best selected in the State, and we can satisfy the wants of everybody.

Our Canada Rye at $3.00 is the finest medical whiskey on the market. Farmer's Delight, Tenderloin Rye, Kentucky Club Rye, King of Kentucky Rye, White Rye and Colonel Rye, all at $2.00 per gallon, have no equal. Blue Ribbon, $1.50, Apple Blossom, $1.75, Choice Rye, $1.50, and Golden Star 1.20 per gal. Apple Brandies, $2.00 and $3.00, Peach, Blackberry, California, French and Ginger Brandies, Kidney Gin, New England and Jamaica Rums, Wines and Beers.

A TRIAL WILL CONVINCE YOU.

STRASBURGER & SON,

The One Price Liquor and Tobacco House.

FURS WANTED.

215, 215½ 10th St., Fredericksburg, Va.

PURITY ASSURED

1st. It is pure.

2nd. It is old and mellow.

3rd. It is sold only in sealed packages so you may be sure to obtain it in its original purity.

4th. Sold by
J. A. ARMSTRONG,
Fredericksburg, Va.

LOOK FOR THE BIRD ON THE BOTTLE

BLUE BIRD WHISKEY

Congress Hall

MARYLAND RYE

WHISKEY

is acknowledged by all to be "The Representative Whiskey of America." If you're up-to date you'll handle it.

Richard & Co.,

480 Pennsylvania Avenue, Washington, D. C., Wholesale Distributors.

Home Brewing Co.

Brewers of

Fine Beers

Richmond, Va., U. S. A.

P. McCracken, Bro. & Co.

...DISTRIBUTORS...

FREDERICKSBURG, VA.

Bell of Lexington

—the finest whiskey on earth. Hand made, sour mash, copper distilled, double stamp, warranted pure. None better for table and medical use. 12 years old, $3 per gallon; 4 years old, $2 per gallon. I handle the Bauernschmidt's beer, the most healthy drink for warm weather. I also keep in stock a nice line of wines, gins and brandies, cigars and tobacco. Thanking you for your liberal patronage in the past, and hoping to merit a continuance of same, I am,

Most respectfully,

209 Commerce St. J. T. HARRIS
"Old Racket Harris' Stand."

LIQUORS, CIGARS, GROCERIES.

Mrs. J. F. Monroe

Commerce St., Fredericksburg, Va., keep the largest and most varied stock of Wines and Liquors in the city. She can furnish you Whiskey at prices from $1.40 to $4 per gallon. It includes Star A, Kentucky Rye, Live Oak, Lord Baltimore, King Lear, Jefferson Co. Rye, Wigwam, Indian Hill and many others. Wines of every description. Apple Brandy $2.50 to $4 per gallon. A full line of Cigars and Tobacco, Groceries, etc.

MRS. J. F. MONROE,
313 Commerce St., Fredericksburg, Va

FINE TEAS,

WINES AND LIQUORS.

Pure Rye Whiskey, Pure Old Rum, Pure Holland Gin, Pure Sherry Wine, Pure French Brandy, Pure Apple Brandy, Pure Peach Brandy, Pure Blackberry Brandy. A complete stock of Liquors for medical use, at the Old Reliable Grocery Store of

CHAS. WALLACE & BRO.

Cor. Main and Commerce Sts.
FREDERICKSBURG, - - - - - VA.

P. McCracken, Bro. & Co.

—WHOLESALE AND RETAIL—

GROCERS AND LIQUOR DEALERS.

Offer Ten Thousand Gallons PURE RYE and BOURBON WHISKIES, from the following well known distilleries, Graft & Co., of Ohio; Boone County Distilling Co., of Kentucky; Monticello Distillery, of Maryland, and W. F. Gray, of Pennsylvania.

Agents for Bergner & Engle's Lager Beer. They also offer Staple and Fancy Groceries, Agricultural Implements, Seeds, Guano, and Cement.

Royal Velvet,

the famous Kentucky Whiskey, positively the best for family use. One quality, one price—$4 per gallon. Jefferson County, at the price, has no equal—$2 per gallon. For sale only by

MRS. J. F. MONROE,
Fredericksburg, Va.

o26ly

HAVE YOU $5.00?

Want An **ORGAN?**

Pay us the $5 cash and 75c weekly thereafter and the Organ is yours.

Good Organ, fully guaranteed. Are the terms not liberal? Call and see us.

ADAMS'S BOOK STORE.

Agents for Knox Hats.

If you are indifferent as to the make and fit of your Clothing—our's is possibly the house you are not looking for—but if you have any regard for the hang of your clothes or take any pride in being well dressed, then you certainly cannot afford to ignore us. We are the leading clothiers of Richmond—have won the title by our efforts—by our productions.

GANS-RADY COMPANY,

1005 E. Main St., Richmond, Va.

P. H. VOLK & CO.,

105 South Charles Street, Baltimore, Md.

LEATHER Shoe Findings and Shoe store Supplies Cutters of Square and Tap Soles and Jobbers of Leggings. Over Gaiters, Lamb Wool Soles Cork Soles, Etc. Write for Catalogue.

A. M. WALKER. JAMES B. MYERS.

WALKER & MYERS

COMMISSION HANDLERS.

CYPRESS AND YELLOW PINE LUMBER, CYPRESS SHINGLES, LATHS, ETC. CORRESPONDENCE SOLICITED. 209 SMITH'S WHARF,

BALTIMORE, MD.

W. W. WELCH,

Room 44 Manufacturers Record Building, Baltimore, Md.,

WANTS

OAK, ASH AND POPLAR by Car or Cargo.

THOS. H. BOTTS & CO.,

COMMISSION MERCHANTS,

214 Spear's Wharf, - - - - - - - - - Baltimore, Md.

....We solicit consignments of....

WHEAT AND CORN.

C. & P. and Md. Telephone. Correspondents and Consignments Solicited.

RIDGAWAY MERRYMAN,

WHOLESALE and COMMISSION.

Lumber.

Virginia Bill Sizes, Boards and Laths. Write me what you have to offer.
715 Eastern Avenue, Baltimore, Md.

JOHN J. KIDD,

Hardwood and N. C. Pine Lumber,

BALTIMORE, MD.

I would call your attention to the fact that I am in the market for 4-4 Basswood lumber mostly 12 ft. lengths, and 4-4 soft oak 10 to 16 ft. lengths. I make a specialty of this stock, but also handle all other kinds of Hardwood and Pine lumber, and would be glad to hear from any one having stock to offer.

E. E. MANN,

GENERAL COMMISSION MERCHANT.

128 South Charles St., Baltimore, Md. Send me your Butter, Eggs and Poultry. Highest market prices obtained and prompt settlements made. References—Frey & Son, Wm. A. Schutze & Co., and any first-class commission house in Baltimore.

E. E. PRICE

BUYER OF

Hardwoods, Poplar and Logs.

Always in the Market for Oak Bill Stuff, Well Manufactured Lumber and Logs. Correspondence Solicited. BALTIMORE, MD.

THE NATIONAL LUMBER CO.,

Wholesale and Commission Lumber.

Eastern Avenue and Union Dock, Baltimore, Md.

DID YOU EVER DO ANY BUSINESS WITH US?

IF NOT, WHY NOT?

BEST PRICES ESTABLISHED 1880; DAILY RETURNS.

F. H. FOOTE & CO.

Produce Commission Merchants, 3 W Camden St., Baltimore, Md. Specialties—Poultry, Eggs and Stock. References—Third National Bank, any reputable business house of Baltimore and our Shippers. Correspondence solicited. Tags and Quotations furnished upon application.

SEWARD, BRO. & Co.

GENERAL PRODUCE COMMISSION MERCHANTS.

Receivers and Shippers of Butter, Eggs, Poultry, Game, Live Stock, Cabbage, Potatoes, Onions, Apples, Pineapples, Oranges, Peaches, Strawberries, Grapes, Wheat, Corn, Etc., Etc. 5 West Pratt St., Baltimore, Md. Quick sales, prompt returns. References—Southern Trust & Deposit Co., Old Town Bank, Mercantile Agencies.